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logical solutions for

**SUSTAINABLE HOMES**

# Greywater Laundry to Landscape



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**GREYWATER INSTALLER**

# Laundry to Landscape (L2L) Greywater System

## Work Flow

- Check with municipality first concerning Chapter 16
- Client Consultation
- Chapter 16 design considerations (1603A.1)
- Installation
- Testing & tuning and client orientation



# Laundry to Landscape (L2L)

## Chapter 16 Design Considerations

- L2L is the only system that is permit exempt
- Water usage for code  
For Laundry Calculate 15 Gallon per Day per occupant  
1st bedroom = 2 occupants: Each additional bedroom = 1 occupant
- Soil type  
Percolation & soil tests indicate the soil is “Sandy Loam”
- Irrigation fields (Mulch Basins)  
Size of irrigation fields depends on soil type and water usage
  - Daily water use / gallons absorbed into the type of soil per square foot over a 24-hour period



Typical Greywater  
Irrigation Field

# Plumbing Phase

- 3-way valve to direct water to landscape or sewer (Ch. 16)
  - Label 3-way valve's direction (Ch. 16)
- Route plumbing out of the house and to drain
  - Check wall before drilling
- Install an air admittance valve at the highest point of the system to prevent back siphoning



# Excavation Phase

- Call 811 before you dig
  - <http://www.call811.com/>



## DIG

- Mulch basins
  - Mulch Basin should be 1- 1/2' from property lines and 2' from home (Ch. 16)
- Delivery tubing trench
  - Tube should be under 2" of dirt or mulch



# Irrigation Phase

- Don't force the washing machine pump
- Lay 1" HDPE pipe in shortest route possible
- Outlets min. 2" below surface of mulch with mulch below outlets (Ch. 16)
- Mulch shields for outlets (Ch. 16)
- Create some space between outlet and mulch



# Testing, Tuning, & Client Orientation

- Run the laundry
- Check for leaks on both sides of the 3-way valve
- Check the outlets for desired distribution of water
- Client orientation
  - Types of detergent
  - Do not clean dirty diapers (Ch. 16)
  - No harsh chemicals (Ch. 16)
  - System Manual is mandatory (Ch. 16)



## Greywater Systems Owners Manual

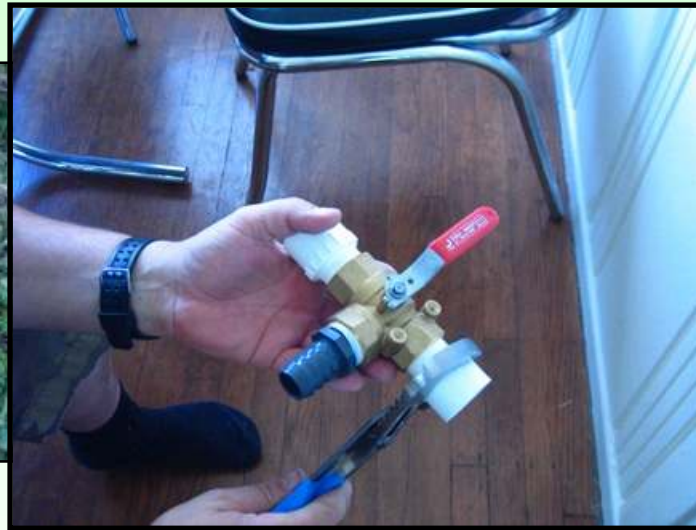
LAUNDRY TO LANDSCAPE

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# Questions?

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<http://greywateraction.org/>



Thank you.